

# THE SPECIALTY MFG. CO.

Custom Is Our Specialty

5858 Centerville Road  
St. Paul, MN 55127

**ISO 9001:2015**  
**MADE IN THE USA**

The Specialty Mfg. Co. will quote alternate materials or customize our standard products when quantities ensure competitive pricing.  
**Contact Customer Service** at (651) 653-0599  
**FAX** - (651) 653-0989  
**E-Mail** - info@specialtymfg.com

## 107 SERIES PISTON CHECK VALVES

[Click here to design your valve in 3D using our online configurator.](#)



### Design Considerations

- Incorporates a 303 stainless steel piston with an embed o-ring that seals on the seat
- Pressure in flow direction moves piston and seal off the seat, exposing cross holes in piston
- Positive seal at very low back pressure or slight vacuum

### Order Example:

<u>Material</u>	<u>Inlet Port</u>	<u>Outlet Port</u>	<u>Seal</u>	<u>Spring</u>
Brass	3/4 FNPT	3/4 FNPT	Buna	2.5 psi

**Part Numbers** are a description of the valve as read left to right, Inlet Port to Outlet Port.

**CHK BRS 107-12F12F-B,2.5#** = Brass Check Valve, 3/4 FNPT x 3/4 FNPT, Buna Seals, 2.5 psi Spring

<b>Material Option</b>	BODY - Brass PISTON - 303 Stainless
<b>Plating Option</b>	No Plating, Electroless Nickel Plating
<b>Body Option</b>	3/4 Female NPT Inlet x 3/4 Female NPT Outlet
<b>Seal Option</b>	Buna-N, Ethylene Propylene, Fluoroelastomer (Viton®), Neoprene <b>***Please ask us about Seal Materials not listed above.***</b>
<b>Spring Option: Material - Cracking Pressure</b>	302 Stainless - 2.5 psi
<b>Cv Value</b>	Varies, contact us to discuss
<b>Maximum Operating Pressure</b>	1000 psi
<b>Full Port</b>	.583 in
<b>Temperature Range</b>	<b>*** NOT RATED FOR STEAM ***</b> Buna-N -35°F to +250°F Ethylene Propylene (EPDM) -65°F to +300°F Fluoroelastomer (Viton®) -15°F to +400°F Neoprene -35°F to +250°F
<b>Compatibility Statement</b>	It is the sole responsibility of the system designer and user to select products suitable for their specific application requirements and to ensure proper installation, operation, and maintenance of these products. Material compatibility, product ratings and application details should be considered in the selection. Improper selection or use of products described herein can cause personal injury or product damage.
<b>Pricing and Minimum Order Requirement</b>	Our Minimum Order Requirements are \$150.00 Domestic - \$250.00 International. Pricing is based on the quantity ordered. <b>Please indicate a typical order quantity or Estimated Annual Usage when requesting pricing.</b>